

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/681,737	05/30/2001	Paul L. Rathbun	200-1442 DBK	4874
28395	7590	09/13/2004	EXAMINER	
BROOKS KUSHMAN P.C./FGTL 1000 TOWN CENTER 22ND FLOOR SOUTHFIELD, MI 48075-1238			ZAND, KAMBIZ	
			ART UNIT	PAPER NUMBER
			2132	

DATE MAILED: 09/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/681,737

Applicant(s)

RATHBUN ET AL.

Examiner

Kambiz Zand

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 31 May 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 7, 8/01 & 03/03.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. **Claims 1-18** have been examined.

Drawing

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: Example item "82" in fig. 4. Correction of all similar errors is requested.
3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: Example page 4, last line of [0018], item "block 65".; Correction of all similar errors is requested.

Specification

4. The abstract of the disclosure is objected to because : Typo error.
Please replace the Title "[METHOD AND SYSTEM FOR GLOBALLY
RESTRICTINGCLIENT ACCESS TO A SECURE WEB SITE]" with "**METHOD
AND SYSTEM FOR GLOBALLY RESTRICTING CLIENT ACCESS TO A
SECURE WEB SITE**".

Art Unit: 2132

Please double check the entire specification with respect to any typo error that may exist.

Correction is required. See MPEP § 608.01(b).

Information Disclosure Statement PTO-1449

5. The Information Disclosure Statement submitted by applicant and received on 07/10/2001, the exact same one (previously submitted IDS) received on 08/07/2001 and 03/14/2003 has been considered. Please see attached PTO-1449.

Note: The records of IFW files disclose the submission of IDS on 07/10/2001 and **exact duplicate** submitted again on 08/07/2001.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

7. **Claims 6 and 15** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 6 and 15 the phrase “synchronize client **passwords**” is indefinite and unclear. It is not clear where is the relevancy of number of client “passwords” in light of Applicant’s claim language. Is the synchronization are based on number

Art Unit: 2132

of passwords used by the client?, if yes, where are the basis for using the number of passwords by the client?

- **Examiner considers** synchronization of the “**client’s login password**” among more than one password repository for the purpose of examination in harmony with intervening claims 5 and 14.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

a. A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. **Claims 1, 5-9, 10 and 14-18** are rejected under 35 U.S.C. 102(e) as being anticipated by Broadhurst et al (6,205,480 B1).

As per claims 1 and 10 Broadhurst et al (6,205,480 B1) teach a system and method for globally restricting client access to a secured web site (**see col.2, lines 25-34 disclose system and method of access to a web serve**) comprising: a first web server configured to: receive a client login (**see fig.1**

Art Unit: 2132

where it disclose a system for access to web server, databases and external application that includes plurality of clients and servers; see col.2, lines 25-33 where upon authentication in which user is logged access to resources via a web server is allowed that is corresponds to configuration of the web server to receive user or client); and return a cookie to the client containing an access credential wherein the access credential contains at least one role-based attribute specific to the client (see col.2, lines 35-41 where user's identity is mapped into network credential which includes a user role that corresponds to Applicants role-based attribute and access credential wherein the attribute specific to the user are access values such as id or password; col.3, lines 24-31 disclose the definition of some of the role attribute and the access to resources based on those role attribute by the client; col.3, line 45-47 disclose the network and user credential is formed into a cookie; col.4, lines 31-39 disclose the return of the cookie to the client by storing into user web browser and it is disappear once the browser is closed by the user or the client); and a second web server hosting a secured web site having an associated security expression wherein the security expression contains at least one role-based access privilege for the web site (see col.2, lines 33-35 where the first server corresponds to Applicant's second web server where it also has role based access privilege as part of security expression), the second web server configured to: receive the cookie containing the access credential in response to an HTTP request from the client (see col.4, lines 40-60 where upon request by the user the cookie is created

Art Unit: 2132

and send to the second web server for access to resources; col.3, line 45-47 disclose the network and user credential is formed into a cookie; fig.1 disclose access to static HTML pages and web server environment; HTTP is the protocol used by web server environment for request and access; see also col.2, lines 17-31 with respect to HTTP); and if the access credential contains a role-based attribute in common with the security expression, grant the client access to the secured web site (see col.3, lines 18-32 where it disclose based on access credential contained in a role access is granted).

As per claims 5 and 14 Broadhurst et al (6,205,480 B1) teach the system and the method of claims 1 and 10 wherein role based attributes are assigned to the client based on the client's login password (see col.2, lines 32-41; col.3, lines 23-31 where attribute role are based on login of the client using ids such as password).

As per claims 6 and 15 Broadhurst et al (6,205,480 B1) teach the system and the method of claims 5 and 14 wherein the first web server is additionally configured to synchronize client passwords among more than one password repository (see 112 rejection above and examiner interpretation of client passwords; col.2, lines 33-41 disclose the authentication of the client based on a user id such as password; line 42-48 disclose the synchronization of the password by the web server among numerous protected resources that corresponds to Applicant's more than one

Art Unit: 2132

password repository by single authentication; the single authentication for access to number of secured resources corresponds to Applicant's synchronization of the systems for accepting credential upon one time authentication).

As per claims 7 and 16 Broadhurst et al (6,205,480 B1) teach the system and the method of claims 1 and 10 wherein the web site contains a web-based application (see col.3, lines 42-48; col.4, lines 40-47 where it disclose the applications or web-based internally or externally).

As per claims 8 and 17 Broadhurst et al (6,205,480 B1) teach the system and the method of claims 1 and 10 wherein the access credential expires after a predefined period of time (see col.4, lines 32-39 where the disappearance of the cookie by closing the browser corresponds to access credential expiration and predefined period of time corresponds to the life of the cookie up to the time the browser is closed).

As per claims 9 and 18 Broadhurst et al (6,205,480 B1) teach the system and the method of claims 1 and 10 wherein the access credential is encoded (see col.4, lines 27-32 where it disclose the access credential are formed into a cookie and where the cookie is encoded).

10. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

11. **Claims 2-3 and 11-12** are rejected under 35 U.S.C. 103(a) as being unpatentable over Broadhurst et al (6,205,480 B1) in view of Sampson et al (6,339,423 B1) cited in the IDS by Applicant.

As per claims 2 and 11 Broadhurst et al (6,205,480 B1) teach all limitation of the claims as applied to the system and the method of claims 1 and 10 above but do not disclose explicitly the access credential and security expression additionally contain a token attribute for locally defined access to the secured web site. However Sampson et al (6,339,423 B1) disclose the access credential and security expression additionally contain a token attribute for locally defined access to the secured web site **(see fig.4A and fig.2; col.5, lines 33-60 where credential and security also contain token attribute to different domains)**. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize Sampson's token attribute into Broadhurst's cookies in order to create a mechanism that uses a single access control system

Art Unit: 2132

and method for managing access to resources that belongs to multiple domains for verification before transmission of the cookies.

As per claims 3 and 12 Broadhurst et al (6,205,480 B1) teach all limitation of the system and the method of claims 2 and 11 above but do not explicitly disclose the token attribute contains permission re-granting capability. However Sampson et al (6,339,423 B1) disclose the token attribute contains permission re-granting capability (**see col.5, lines 14-24 where it disclose authentication without receiving access control cookies using token where authentication without receiving access control cookies corresponds to Applicant's re-granting capabilities**). It would have been obvious to one of ordinary skilled in the art at the time the invention was made to utilize Sampson's token attribute into Broadhurst's cookies in order to create a mechanism that uses a single access control system and method for managing access to resources that belongs to multiple domains for verification before transmission of the cookies.

12. **Claims 4 and 13** are rejected under 35 U.S.C. 103(a) as being unpatentable over Broadhurst et al (6,205,480 B1) in view of Wood et al (6,668,322 B1).

As per claims 4 and 13 Broadhurst et al (6,205,480 B1) teach all limitation of the system and the method of claims 1 and 10 as applied above but do not explicitly disclose the access credential is digitally signed. However Wood et al

Art Unit: 2132

(6,668,322 B1) disclose the access credential is digitally signed (**see col.7, lines 64-67 and col.8, lines 1-8 where it disclose digitally signing of access credential**). It would have been obvious to one of ordinary skilled in the art at the time the invention was made to utilize Wood's digital signature scheme in Broadhurst's access credential encoding in order to allow contents of the session credential to be read by anyone and changed by no one.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

U.S.Patent No. US (6,421,768 B1) teach method and system for authentication and single sign-on using cryptographically assured cookies in a distributed computer environment.

U.S.Patent No. US (6,374,359 B1) teach dynamic use and validation of HTTP cookies for authentication.

U.S.Patent No. US (6,301,661 B1) teach enhanced security for applications employing downloadable executable content.

U.S.Patent No. US (6,725,376 B1) teach method of using an electronic ticket and distributed server computer architecture for the same.

Art Unit: 2132

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kambiz Zand whose telephone number is (703) 306-4169. The examiner can normally be reached on Monday-Thursday (8:00-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on (703) 305-1830. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kambiz Zand

09/07/04